

**§ 401.12 Minimum requirements—mooring lines and fairleads.**

(a) Minimum requirements in respect of mooring lines, which shall be available for securing on either side of the vessel, winches, and the location of fairleads on vessels are as follows:

(1) Vessels of 40 m or less in overall length shall have at least two mooring lines or hawsers that may be led through closed chocks and be hand held, one of which shall lead from the break of the bow and the other shall lead from the quarter.

(2) Vessels of more than 40 m but not more than 60 m in overall length shall have four mooring lines, two of which shall be power operated by winches, capstans or windlasses and shall be led through a type of fairlead acceptable to the Corporation and the Manager, of which two mooring lines:

(i) One shall lead forward from the break of the bow and one astern from the quarter, or

(ii) One shall lead astern from the break of the bow and one forward from the quarter;

(3) The other two mooring lines required on vessels of more than 40 m but not more than 60 m may be led through closed chocks and may be hand held;

(4) Vessels of more than 60 m in overall length shall have four mooring lines, two of which shall lead from the break of the bow and two of which shall lead from the quarter, and

(i) All shall be power operated by the main drums of adequate power operated winches and not by capstans or windlasses; and

(ii) All shall be led through a type of fairlead acceptable to the Corporation and the Manager.

(5) Every vessel shall have a minimum of two spare mooring wires available and ready for immediate use.

(b) The following table sets out the requirements for the location of fairleads for vessels of 60 m or more in overall length:

TABLE

Overall length of vessels	For mooring lines Nos. 1 and 2	For mooring lines Nos. 3 and 4
60 m or more but not more than 90 m.	Between 10 m and 25 m from the stern.	Between 10 m and 25 m from the stern.

TABLE—Continued

Overall length of vessels	For mooring lines Nos. 1 and 2	For mooring lines Nos. 3 and 4
More than 90 m but not more than 120 m.	Between 12 m and 30 m from the stern.	Between 15 m and 35 m from the stern.
More than 120 m but not more than 150 m.	Between 12 m and 35 m from the stern.	Between 15 m and 40 m from the stern.
More than 150 m but not more than 180 m.	Between 15 m and 40 m from the stern.	Between 20 m and 45 m from the stern.
More than 180 m but not more than 222.5 m.	Between 20 m and 50 m from the stern.	Between 20 m and 50 m from the stern.

(68 Stat. 93-96, 33 U.S.C. 981-990, as amended and secs. 4, 5, 6, 7, 8, 12 and 13 of sec. 2 of Pub. L. 95-474, 92 Stat. 1471)

[39 FR 10900, Mar. 22, 1974, as amended at 47 FR 51121, Nov. 12, 1982; 48 FR 20691, May 9, 1983; 55 FR 48598, Nov. 21, 1990; 65 FR 52915, Aug. 31, 2000]

**§ 401.13 Hand lines.**

Hand lines shall:

(a) Be made of manila or other material acceptable to the Corporation and the Manager, and

(b) Be of uniform thickness and have a diameter of not less than 15 mm and not more than 17 mm and a minimum length of 30 m.

(68 Stat. 93-96, 33 U.S.C. 981-990, as amended and secs. 4, 5, 6, 7, 8, 12 and 13 of sec. 2 of Pub. L. 95-474, 92 Stat. 1471)

[39 FR 10900, Mar. 22, 1974, as amended at 49 FR 30935, Aug. 2, 1984; 61 FR 19551, May 2, 1996; 65 FR 52914, 52915, Aug. 31, 2000]

**§ 401.14 Anchor marking buoys.**

An orange colored anchor marking buoy of a type approved by the Corporation and the Authority, fitted with 22 m of suitable line, shall be secured directly to each anchor so that the buoy will mark the location of the anchor when the anchor is dropped.

(68 Stat. 93-96, 33 U.S.C. 981-990, as amended and secs. 4, 5, 6, 7, 8, 12 and 13 of sec. 2 of Pub. L. 95-474, 92 Stat. 1471)

[47 FR 51122, Nov. 12, 1982]

**§ 401.15 Stern anchors.**

Every vessel of more than 110 m in overall length, the keel of which is laid